5 YEAR SATISFACTION GUARANTEE

models
160, 360, 460, 560, 660

WHOLE ROOM CIRCULATOR OWNER'S GUIDE

READ AND SAVE
THESE INSTRUCTIONS

vornado.com

We expect this product to be perfect.

If it is not, we will make it right.

vornado.com
800-234-0604
help@vornado.com

CONTENTS

Important Safety Instructions 4

Whole Room Circulation 7

Features 8

Circulation 101 9

Cleaning 10

Troubleshooting 13

Warranty 14

READ AND SAVE THESE INSTRUCTIONS

IMPORTANT SAFETY INSTRUCTIONS
This owner's guide and any additional inserts are considered part of the product. They contain important information about safety, use and disposal. Before using the product, please familiarize yourself with all operating and safety instructions. Please keep all documents for future reference and pass these documents on, together with the product, to any future owner. See www.vornado.com to view, download and print the most current version of these instructions.

INTENDED USE: This product is intended to circulate the air in indoor living spaces only in the United States. This product is not intended for commercial or industrial use. The manufacturer assumes no responsibility for damage or injury due to unauthorized use or product modification. Failure to follow these directions will void the product warranty.

WARNING: Risk to Children and Impaired Persons
Supervision is required during the installation, operation, cleaning and maintenance of this product by children 12 years of age and younger and anyone with reduced physical, sensory or mental capabilities. Children should be supervised to ensure that they do not play with the appliance, its parts and packaging material.

INSTALLATION WARNING—To reduce risk of fire, electrical shock and injury to persons, observe the following:
- Place this product away from curtains, draperies, tablecloths and other fabrics, since they may be drawn into the product, damage the motor and/or cause a fire.
- No part of this product (the appliance, power cord, plug, packaging, etc.) should be placed near furnaces, fireplaces, stoves or other high temperature heat sources. Do not use this product in a window, on an uneven or unstable surface, or near water.
- The appliance, power supply, power cord and plug cannot come into contact with water. Do not use this product on wet surfaces. Do not use this product in a bathtub or shower or position product where it may fall into a bathtub, laundry, swimming pool or other water container. Do not use this product outdoors or expose it to weather or elements.
- Do not run cord under carpeting. Do not cover cord with throw rugs, runners, or similar coverings. Do not route cord under furniture or appliances. Arrange cord away from traffic area and where it will not be tripped over. The cord should not hang over edges of counters or be placed where it can be crimped or closed in doors. Place appliance near an easily accessible outlet so the product can be unplugged quickly during an emergency.

SAFE USE WARNING—To reduce risk of fire, electrical shock and injury to persons, observe the following:
- **WARNING:** To reduce likelihood of circuit overload, fire and electric shock, do not operate with a solid state speed device, such as a dimmer control switch.
- Do not operate any fan with a damaged cord or plug. Discard fan or return to an authorized service facility for examination and/or repair.
- Do not operate unit if the unit has been dropped or damaged. Do not use this product if it has a damaged power cord or plug. To avoid risk of electrical shock, do not attempt to repair or replace parts. Only original replacement parts may be used. If the power cord is damaged, it must be replaced by the manufacturer, its service agent, or similarly qualified persons in order to avoid a hazard. Contact Vornado Consumer Service at 1-800-234-0604 (phone) or consumerservice@vornado.com (email) for further

instructions about replacement and repair.

- Before plugging power cord into electrical outlet, be sure that all electrical information on the rating label, including voltage, is compatible with your outlet's power supply.
- Do not sit or stand on product.
- Never use the cord as a handle or otherwise yank, strain or stretch the power cord.
- While the product is plugged in, do not insert or allow foreign objects to enter any input or output opening as this may cause risk of electric shock or fire, or damage the product.
- A loose fit between wall outlet (receptacle) and plug may cause overheating and distortion of the plug. Discontinue use of the product in this outlet. Contact a qualified electrician to replace loose or worn outlets.
- This appliance has a polarized plug (one blade is wider than the other.) To reduce the risk of electric shock, this plug is intended to fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician. Do not attempt to defeat this safety feature.
- Before moving, repositioning, servicing, cleaning and when not in use, use the product controls to turn off the power and then unplug. To disconnect from outlet, grasp and pull only the plug. Also, power off and unplug if the product will be left unattended for an extended period of time or during electrical storms.

SERVICING WARNING—To reduce risk of fire, electrical shock and injury to persons, observe the following:

- Clean your product regularly, only as is instructed in this manual. Prior to cleaning, turn off the power on your product and unplug. Do not use gasoline, thinners, solvents, ammonias or other chemicals for cleaning. Refer to the CLEANING instructions provided.
- Do not open appliance housing while product is plugged in. To avoid risk of shock, all service and/or repairs must be done by a Vornado Authorized Service Center.
- This product employs overload protection (fuse). A blown fuse indicates an overload or short-circuit situation. If the fuse blows, unplug the product from the outlet. Replace the fuse as per the user servicing instructions (follow product marking for proper fuse rating) and check the product. If the replacement fuse blows, a short-circuit may be present and the product should be discarded or returned to an authorized service facility for examination and/or repair.

User Servicing Instructions

1. Using the product controls, turn off the appliance.
2. Grasp the plug (not the cord) and disconnect from the outlet.
3. Risk of Fire. Replace fuse only with 2.5 Amp, 125 Volt fuse as approved by Vornado Consumer Service. For an authorized replacement fuse, please contact Vornado Consumer Service.
4. Once the replacement is received, use a small flat-head screwdriver to slide open the fuse cover (located on the plug) (See Next Page, Fig. A).
5. Remove fuse by using the screwdriver to gently lift each end of the fuse (See Next Page, Fig. B).
6. Install the replacement fuse by using the screwdriver to gently push each metal end of the fuse into the receptacle one at a time. Do not push on the center of the fuse—it is fragile and may break.
7. Slide the fuse cover closed using the screwdriver. When closed, the cover should fit completely in the plug. No part of the cover should stick out (See Next Page, Fig. C).
8. Plug your appliance into the outlet and turn the power on.
9. If the replacement fuse blows, a short-circuit may be present and the product should be discarded or returned to an authorized service facility for examination and/or repair.

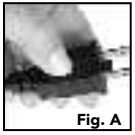


Fig. A

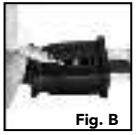


Fig. B

Fig. C

- Risk of fire. Do not replace attachment plug. Contains a safety device (fuse, AFCI, LCDI) that should not be removed. Discard product if the attachment plug is damaged.

FCC Compliance Statement (Models 560 and 660 only)
NOTE: This equipment has been tested and complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This product generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this product does cause harmful interference to radio or television reception, which can be determined by turning the product off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna.
- Increase the separation between the product and the receiver.
- Connect the product into an outlet on a circuit different from that to which the receiver is connected.
- Contact Vornado Consumer Service or dealer or an experienced radio/TV technician for help.

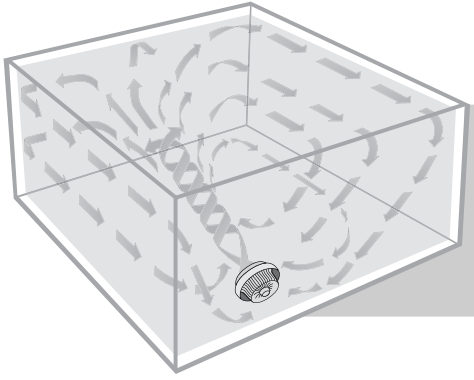
Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the product.

Supplier's FCC Declaration of Conformity
Unique Identifier: Vornado Models 560, 660
Responsible Party: Vornado Air LLC
Mailing Address : 415 E. 13th St., Andover, KS 67002
Contact: www.vornado.com

SAVE THESE INSTRUCTIONS

WHOLE ROOM CIRCULATION

The Vornado's signature Whole Room Circulation delivers continuous, uniform air circulation to the entire room. Cool only the rooms that you are in and not the entire house.



MAXIMIZE YOUR COOLING EFFICIENCY

A Vornado circulates all the air in the room so everyone is comfortable. Air in motion feels cooler than air that is stagnant. By providing whole room circulation, a Vornado allows you to turn the thermostat up 5°F – saving energy and money – without sacrificing comfort.

160		360, 460		560, 660		
Small Bedroom, Office Cubicle	Dorm Room, Home Office	Dining Room, Den	Kitchen, Average Bedroom	Living Room, Master Bedroom	Family Room, Recreation Room	Great Room, High Ceiling Room

FEATURES

Tip Save energy by maximizing the performance of heating and cooling systems. When you use a Vornado Air Circulator, you will not have to set your summertime thermostat as low or your wintertime thermostat as high. Refer to page 9 for further details.

CONTROLS

160 CONTROL KNOB

360 & 460 CONTROL KNOB

560 BUTTONS

SPEEDS: TURBO, HIGH, MED, LOW

660 BUTTONS

DIRECTABLE AIRFLOW
Direct the airflow where you want it.

MULTIPLE SPEEDS
Speed setting for every comfort level.

FINGER FRIENDLY DESIGN
Resists curious fingers.

REMOVABLE GRILLE
For easy cleaning.

AIR INLETS
Signature inlets and powerful motor to move more air.

⚠ **WARNING:** Choking Hazard. Keep small parts like silicone feet away from children and pets.

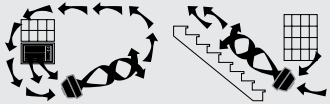
SILICONE FEET
Non-marking feet added for stability.

CIRCULATION 101

GETTING THE MOST OUT OF YOUR VORNADO - ALL YEAR LONG

With Vornado Air Circulators, you can save money on energy bills by adjusting your thermostat several degrees and still maintaining the same comfort level.

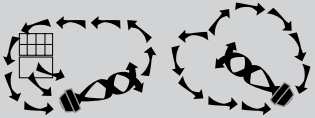
SUMMER: Use your home's air conditioning system to create brisk, comforting air movement.



Use with central or window air conditioning

Push cool air up stairs

SPRING & FALL: Make the indoors as fresh and pleasant as the outdoors.



Circulate fresh outdoor air

Even room temperature

WINTER: Use with other heat sources to circulate their warmth. Do not point the circulator at open flames.

Increase the efficiency of heating sources

Replace cold floor air with warm ceiling air

HOW TO USE

Before use, check appliance for visible damage. DO NOT USE THIS CIRCULATOR if there is evidence of damage. If any damage is found, contact Vornado Air LLC at 1-800-234-0604.

1. Plug in and position the circulator so airflow is not obstructed.

2. Set desired speed and allow a few minutes for an airflow pattern to be established. Different airflow patterns can be established by changing the location, angle and speed. Adjust until a desired comfort level is achieved.

CLEANING

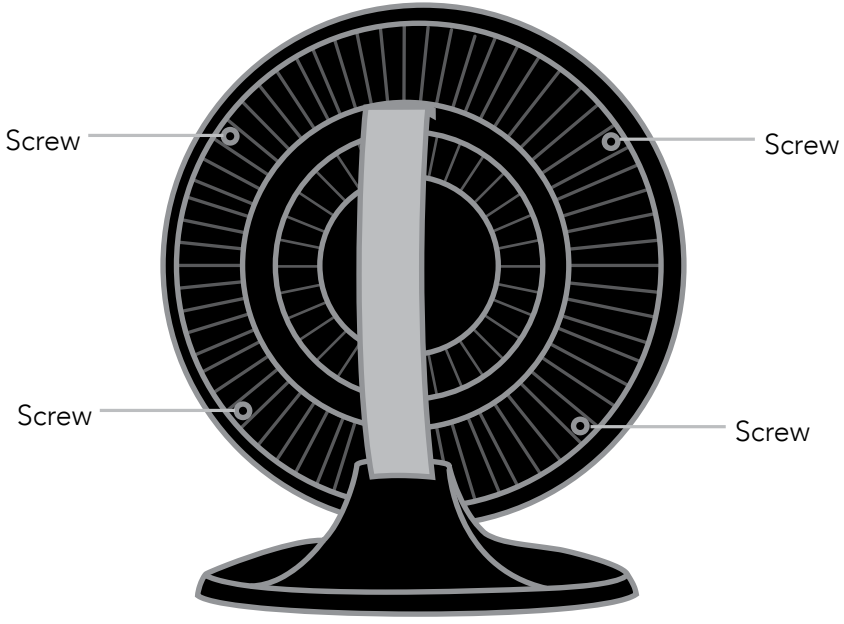
GRILLE REMOVAL (MODELS 160, 560 & 660) *Screwdriver required.*

⚠ **WARNING: To reduce the risk of electrical shock and injury to persons, unplug the circulator before removing grille.**

1. To release the Front Grille, remove the 4 screws located on the back of the inlet grille, located roughly at 2, 5, 7 and 10 o'clock positions.

2. Dust or wash Front Grille with a mild dishwashing soap. Do not place grille in the dishwasher. The excessive heat can distort the plastic.

3. To reattach - position the Front Grille so the Vornado logo in the center of the Front Grille is straight. Replace all the screws.



Tip Use the brush attachment on your household vacuum cleaner to vacuum any accumulated dust off the Front Grille and Air Inlets.

CLEANING

GRILLE REMOVAL (MODELS 360 & 460) *Screwdriver required.*

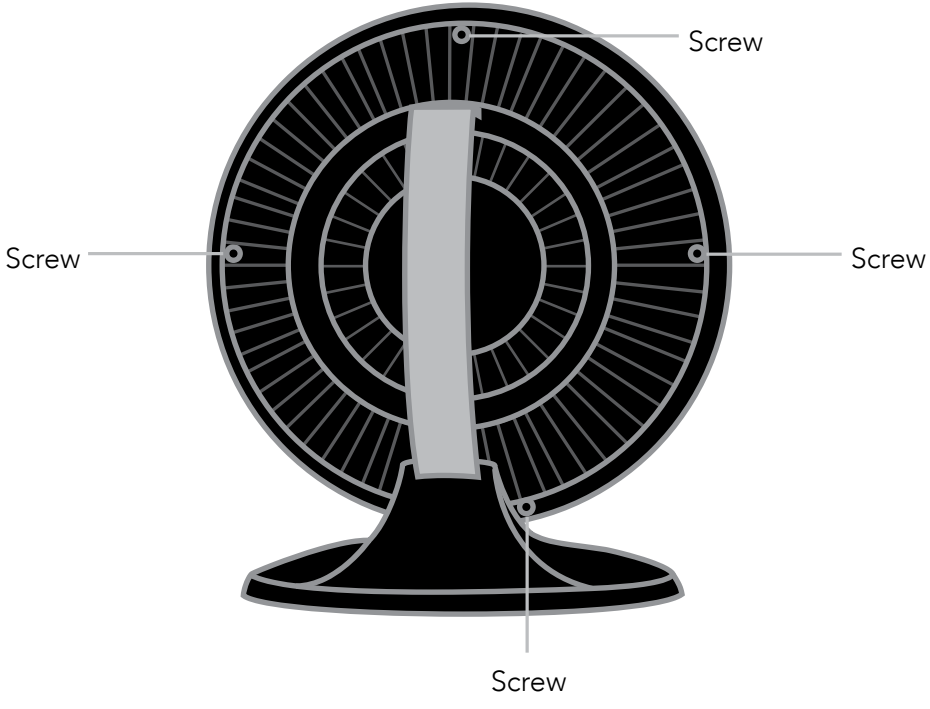
⚠ **WARNING: To reduce the risk of electrical shock and injury to persons, unplug the circulator before removing grille.**

1. Feel for bumps on back of product, close to inlets, that help to locate screws at roughly 12, 3, 6 and 9 o'clock positions. Remove the 4 screws located at these positions, releasing the grille.

2. Dust or wash Front Grille with a mild dishwashing soap. Do not place grille in the dishwasher. The excessive heat can distort the plastic.

3. To reattach - position the Front Grille so the Vornado logo in the center of the Front Grille is straight. Replace all the screws.

Tip Use the brush attachment on your household vacuum cleaner to vacuum any accumulated dust off the Front Grille and Air Inlets.



CLEANING

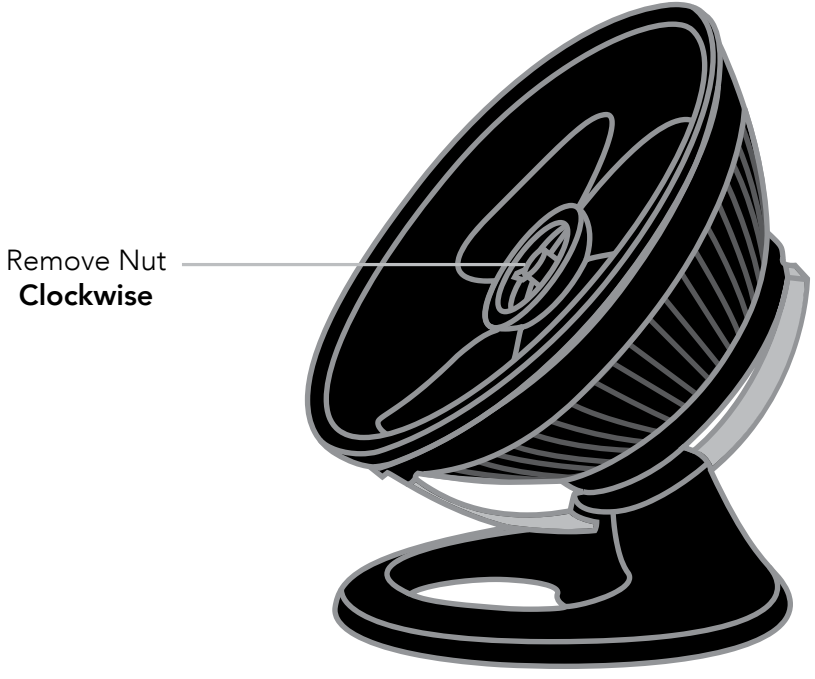
BLADE REMOVAL *Pliers recommended.*

⚠ WARNING: To reduce the risk of electrical shock and injury to persons, unplug the circulator before removing blade.

1. First, remove the nut from the shaft by turning the nut **clockwise** to loosen. Remove the washer. Pull the blade straight out from the shaft.

2. Wipe the Blade with a damp cloth. If your circulator is used in a greasy environment, such as a kitchen, mild soap or a common household cleaner may be necessary. Do not use solvents. Do not place blade in the dishwasher. The excessive heat can distort the plastic.

3. To reattach - be certain the flat side of the shaft aligns directly with the corresponding flat side on the blade's socket. Push the blade all the way on the shaft until it bottoms out. **Do not use a hammer as this could result in bearing damage.** Reinstall nut.



TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE AND SOLUTION
The unit fails to power on.	Unit is not plugged in. Plug Power Cord into electrical outlet. Ensure unit fan speed setting is selected. Plug fuse has blown. Replace fuse (See USER SERVICING INSTRUCTIONS). Unit is damaged or in need of repair. Cease usage and unplug. Contact Consumer Service for assistance. The outlet is worn or damaged. Try another outlet or contact a qualified electrician.
Airflow is weak or slow.	Unit set to a low speed setting. Adjust to a higher speed setting. Airflow is blocked. Remove obstruction. Adjust direction of airflow towards the user.
GFCI has tripped.	Under certain conditions, it is possible for a reset GFCI (Ground Fault Circuit Interrupter) outlet to trip when the user is changing speeds on a Vornado circulator. In this event, change to an outlet that is not connected to a GFCI device. It could also indicate a weak or defective GFCI outlet. Contact a qualified electrician to check the GFCI outlet.

5 YEAR SATISFACTION GUARANTEE

WARRANTY

We expect this product to be perfect. If you're not satisfied with this product, let us know.

We're Here To Help
800.234.0604
vornado.com
help@vornado.com

Vornado Air LLC ("Vornado") warrants to the original consumer or purchaser this Vornado® Whole Room Circulator ("Product") is free from defects in material or workmanship for a period of five (5) years from the date of purchase. If any such defect is discovered within the warranty period, Vornado, at its discretion, will repair or replace the Product at no cost.

For warranty service: Call 1-800-234-0604 or email help@vornado.com to obtain a Return Authorization ("RA"). Please have or include your Product's model number and serial number, as well as your name, address, city, state, zip code, e-mail, and phone number when contacting Vornado for warranty service. To file a contactless warranty claim, visit vornado.com/contact-us.

After receiving the RA form, ship your Product to: Vornado Air LLC Attn: Warranty & Repair 415 East 13th Street Andover, KS 67002. For your convenience, please have your model number and serial number when contacting Vornado with service inquiries. To assure proper handling, packages must be clearly marked with the RA number. Packages not clearly marked with the RA number may be refused at the receiving dock. Please allow 2-3 weeks for warranty service and return of your Product after the Product is received.

This warranty does not apply to defects resulting from abuse of the Product, modification, alteration, mishandling, improper maintenance, commercial use or repair or service of the Product by anyone other than Vornado; damages which occur in shipment or are attributed to acts of God. Improper product use, which includes using an external device that alters or converts the voltage or frequency of electricity, or shipping a Vornado product to a country not intended for use will void all warranties. Any unauthorized product modification, repair by unauthorized repair center, or use of non-approved replacement parts is not recommended and any consequences will not be covered by support services or product warranties. The product warranty will be honored only on models that are being used in the country intended. REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER. VORNADO SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY. Some states do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may have other rights that vary from state to state. The manufacturer assumes no responsibility for damage caused by failure to follow these instructions or improper product use. Any such actions will invalidate the product warranty.

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Designed, engineered and supported in Andover, KS

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